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GREEN FORCE®

Stainless Steel Submersible Pumps

Efforts Till
Excellence



PERFORMANCE BOOK

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GENERAL INFORMATION

Overview :

Green Force Submersible Motors are made entirely of corrosion - resistant stainless steel, Motors are ideal for a wide variety of applications and renowned for their high efficiency and reliability throughout the range. These motors are built for dependable operation in 4-inch diameter or larger water wells.

The Green Force range offers hydraulics designs to provide high efficiency and low operating costs and easy maintenance.

Features :

1. 100 mm Diameter Rewindable Motors are built for dependable operation.
2. Silicon Carbide Thrust Bearing for a maintenance free operations.
3. It is filled with water lubricated with a special fluid for protection.
4. Special Diaphragm ensures pressure compensation inside the Motor.

Product Advantage :

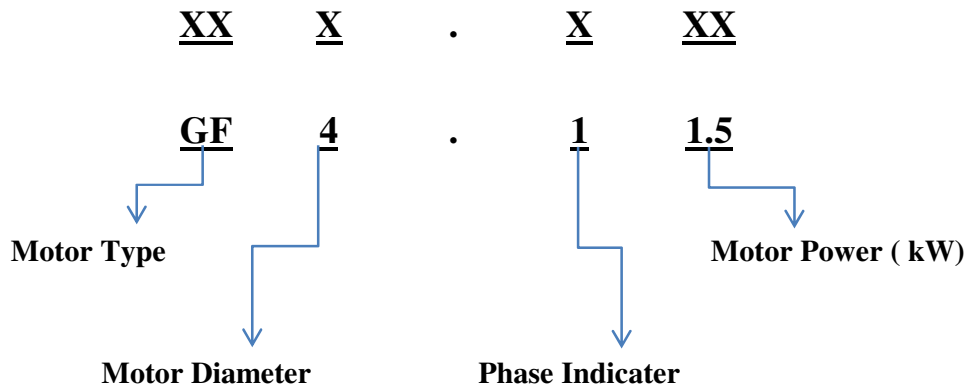
1. Cable material according to drinking water regulations.
2. Sand slinger and SiC mechanical seal for high performance in sand.
3. High efficiency electrical design.
4. All motors are pre filled and 100% tested.
5. Max. storage temperature -15°C to +60°C
6. Approved tilting type thrust bearing (0.37KW to 5.5 KW)
7. Silicon Carbide Thrust Bearing for a maintenance free operations.

Technical Specification :

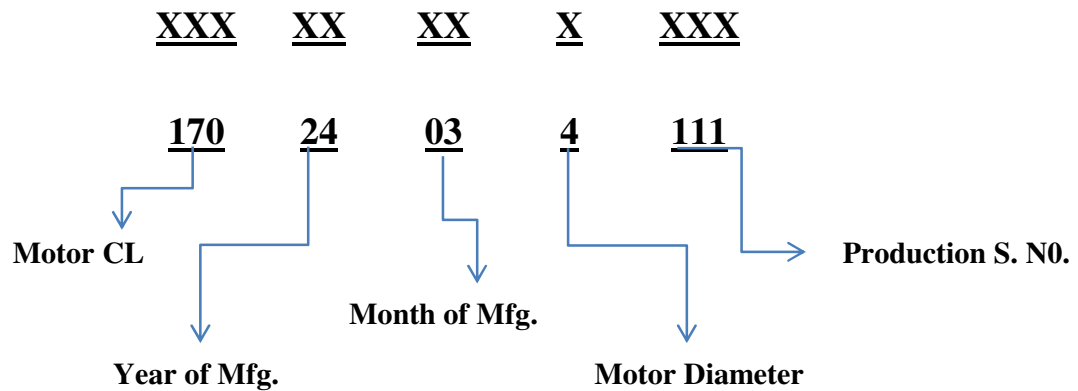
Flange :	As per NEMA Standard
Power Range :	0.37 kW to 3.7 kW (Single Phase) 0.74 kW to 7.5 kW (Three Phase)
Protection :	IP 68
Cable Length :	3 Mtr
Voltage Tolerance :	+6 % -10 %
Ambient Temperature :	30°C With Poly wrapped Copper Wire 50°C With PE2 + PA Winding Wire
Frequency :	50Hz / 60 Hz
Thrust Rating :	1500 - 6500 N

4" REWINDABLE MOTORS - MODEL NO. & IDENTIFICATION CODE

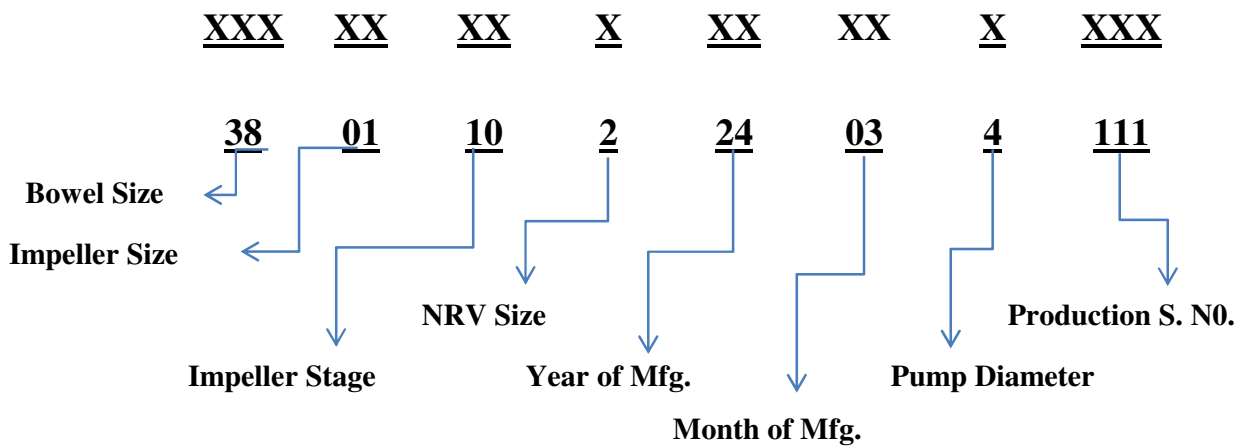
Model Numbers Identification Code



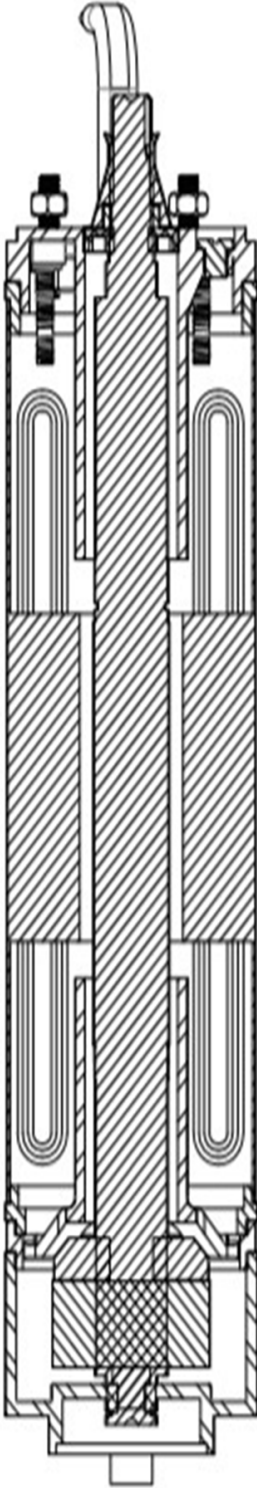
Motor Serial Numbers Identification Code



Pump Serial Numbers Identification Code



4" REWINDABLE MOC



MOTOR	
Component	Material
Investment Castings	AISI 304 SS
Stator Shell	AISI 304 SS
Bushing	LTB-4 as per IS 318
Rotor Shaft	AISI 304 SS & AISI 420 SS
Stator Ends	AISI 304 SS
Seal Cover	AISI 304 SS
Fasteners	AISI 304 SS
Diaphragm	NBR
Seal	NBR
Motor Lead	PVC Insulated Cable as per IS:694
Diaphragm Plate	AISI 304 SS
Insulation	Class F
Stamping	CRNO 600 Grade
Winding Wire	Poly Wrapped / PE2 + PA Wire
TB Set	Silicon Carbide & AISI 420 SS

4" REWINDABLE MOTORS - MODEL NUMBERS

Model Numbers Single Phase 0.37 to 2.2 Kw

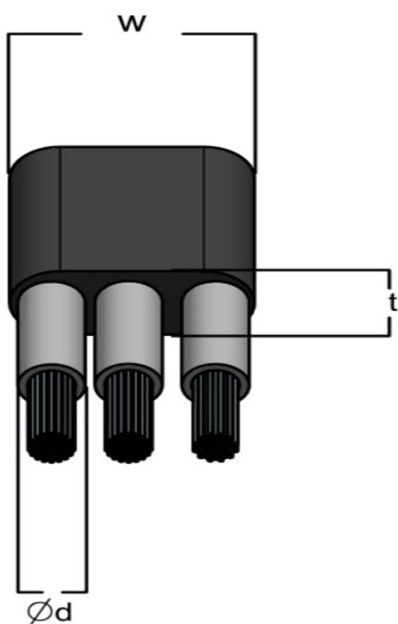
Model No.	HP	KW	Volt / 50 Hz	Volt / 60 Hz
GF 4.1 / 0.37	0.50	0.37	220 / 230 Volt	220 Volt
GF 4.1 / 0.55	0.75	0.55	220 / 230 Volt	220 Volt
GF 4.1 / 0.75	1.0	0.75	220 / 230 Volt	220 Volt
GF 4.1 / 1.1	1.5	1.1	220 / 230 Volt	220 Volt
GF 4.1 / 1.5	2	1.5	220 / 230 Volt	220 Volt
GF 4.1 / 2.2	3	2.2	220 / 230 Volt	220 Volt

Model Numbers Three Phase 0.37 to 7.5 Kw

Model No.	HP	KW	Volt / 50 Hz	Volt / 60 Hz
GF 4.3 / 0.55	0.75	0.55	380 / 400 / 415 Volt	220 / 380 / 460 Volt
GF 4.3 / 0.75	1.0	0.75	380 / 400 / 415 Volt	220 / 380 / 460 Volt
GF 4.3 / 1.1	1.5	1.1	380 / 400 / 415 Volt	220 / 380 / 460 Volt
GF 4.3 / 1.5	2	1.5	380 / 400 / 415 Volt	220 / 380 / 460 Volt
GF 4.3 / 2.2	3	2.2	380 / 400 / 415 Volt	220 / 380 / 460 Volt
GF 4.3 / 4.0	5.5	4.0	380 / 400 / 415 Volt	220 / 380 / 460 Volt
GF 4.3 / 5.5	7.5	5.5	380 / 400 / 415 Volt	220 / 380 / 460 Volt
GF 4.3 / 7.5	10	7.5	380 / 400 / 415 Volt	220 / 380 / 460 Volt

4" REWINDABLE MOTORS - POWER CABLE INFORMATION

Model Type	Size	KW	HP	Star	Length
GF 4.1 / 0.37	4"	0.37	0.50	3 X 2.5	3
GF 4.1 / 0.55	4"	0.55	0.75	3 X 2.5	3
GF 4.1 / 0.75	4"	0.75	1.0	3 X 2.5	3
GF 4.1 / 1.1	4"	1.1	1.5	3 X 2.5	3
GF 4.1 / 1.5	4"	1.5	2	3 X 2.5	3
GF 4.1 / 2.2	4"	2.2	3	3 X 2.5	3
GF 4.3 / 0.55	4"	0.55	0.75	3 X 2.5	3
GF 4.3 / 0.75	4"	0.75	1.0	3 X 2.5	3
GF 4.3 / 1.1	4"	1.1	1.5	3 X 2.5	3
GF 4.3 / 1.5	4"	1.5	2	3 X 2.5	3
GF 4.3 / 2.2	4"	2.2	3	3 X 2.5	3
GF 4.3 / 4.0	4"	4.0	5.5	3 X 4	3
GF 4.3 / 5.5	4"	5.5	7.5	3 X 4	3
GF 4.3 / 7.5	4"	7.5	10	3 X 4	3



Flat Cable Dimensions			
Type	Thickness	Width	Diameter
mm ²	(t) mm	(w) mm	(d) mm
3 X 2.5	6.4	15	3.6
3 X 4	7.1	16.5	4.2
3 X 6	8	19	4.8
3 X 10	8.8	22	6.2
3 X 16	10.5	26	7.1
3 X 25	12	34	9.2
3 X 35	13.5	35	10.3

* All Daimination are Approx.



4" REWINDABLE MOTORS - PERFORMANCE 50 Hz

Single Phase Motors Performance Data

MOTOR						Motor Efficiency (%)			Power Factor (%)			T _N
Model No.	KW	Thrust F[N]	UN [V]	Nn [min- 1]	I _N (A)	100%	75%	50%	100%	75%	50%	(Nm)
GF4.1 / 0.55	0.37	1500	220	2850	4.1	62	59	51	0.73	0.64	0.52	1.2
			230	2850	4.0	62	59	51	0.73	0.64	0.52	1.2
GF4.1 / 0.75	0.55	1500	220	2850	6.2	63	59	52	0.69	0.59	0.48	1.8
			230	2850	5.9	63	59	52	0.69	0.59	0.48	1.8
GF4.1 / 1.1	0.75	1500	220	2850	7.4	64	62	56	0.75	0.66	0.54	2.5
			230	2850	7.3	64	62	56	0.75	0.66	0.54	2.5
GF4.1 / 1.5	1.1	3000	220	2850	9.5	68	65	58	0.80	0.71	0.59	3.7
			230	2850	8.8	68	65	58	0.80	0.71	0.59	3.7
GF4.1 / 2.2	1.5	3000	220	2850	11.5	68	66	60	0.88	0.81	0.71	4.9
			230	2850	11.1	68	66	60	0.88	0.81	0.71	4.9
GF4.1 / 4.0	2.2	3000	220	2850	16.7	70	68	61	0.88	0.82	0.72	7.4
			230	2850	15.8	70	68	61	0.88	0.82	0.72	7.4

Three Phase Motors Performance Data

MOTOR						Motor Efficiency (%)			Power Factor (%)			T _N
Model No.	KW	Thrust F[N]	UN [V]	Nn [min- 1]	I _N (A)	100%	75%	50%	100%	75%	50%	(Nm)
GF4.3 / 0.55	0.55	1500	380	2820	1.9	64	57	49	0.7	0.52	0.42	1.8
			400	2830	2.0	64	57	49	0.64	0.52	0.42	1.8
			415	2850	2.1	63	56	48	0.6	0.57	0.41	1.8
GF4.3 / 0.75	0.75	1500	380	2820	2.2	73	70	64	0.75	0.63	0.50	2.4
			400	2830	2.3	73	70	64	0.72	0.63	0.50	2.4
			415	2850	2.4	73	68	63	0.65	0.62	0.41	2.4
GF4.3 / 1.1	1.1	1500	380	2820	3.3	73	69	63	0.76	0.59	0.47	3.7
			400	2830	3.4	73	69	63	0.72	0.59	0.47	3.7
			415	2850	3.2	73	68	62	0.65	0.58	0.41	3.7
GF4.3 / 1.5	1.5	3000	380	2820	3.9	73	72	69	0.81	0.72	0.59	4.9
			400	2830	4.0	73	71	66	0.76	0.66	0.53	4.9
			415	2850	4.1	72	69	63	0.72	0.61	0.48	4.9
GF4.3 / 2.2	2.2	3000	380	2820	5.8	75	75	72	0.81	0.72	0.58	7.5
			400	2830	5.9	75	73	69	0.75	0.64	0.51	7.5
			415	2850	6.3	73	71	66	0.69	0.59	0.45	7.5
GF4.3 / 4.0	4.0	3000	380	2820	9.8	70	67	63	0.83	0.79	0.73	18.9
			400	2830	9.5	68	65	61	0.82	0.75	0.70	18.9
			415	2850	9.2	66	63	59	0.81	0.74	0.69	18.9
GF4.3 / 5.5	5.5	4000	380	2820	14.8	74	73	70	0.84	0.79	0.75	24.5
			400	2830	14.5	72	71	68	0.84	0.78	0.74	24.5
			415	2850	14.0	71	69	66	0.83	0.77	0.72	24.5
GF4.3 / 7.5	7.5	4000	380	2820	18.3	74	76	75	0.80	0.80	0.70	24.9
			400	2830	17.7	75	76	73	0.78	0.76	0.65	24.9
			415	2850	17.7	75	75	71	0.78	0.73	0.61	24.9

4" REWINDABLE MOTORS - PERFORMANCE 60 Hz
Single Phase Motors Performance Data

MOTOR						Motor Efficiency (%)			Power Factor (%)			Capacitor	
Model No.	KW	Thrust F[N]	UN [V]	Nn [min- 1]	I _N	100%	75%	50%	100%	75%	50%	Runing	Starting
					(A)								
GF4.1 / 0.55	0.37	1500	220	3400	5.0	57	54	52	0.48	0.46	0.40	20	100-120
GF4.1 / 0.75	0.55	1500	220	3400	6.0	60	57	55	0.50	0.47	0.46	25	100-120
GF4.1 / 1.1	0.75	1500	220	3400	8.1	64	60	58	0.52	0.49	0.48	36	100-120
GF4.1 / 1.5	1.1	3000	220	3400	10.2	66	61	59	0.63	0.60	0.59	50	120-150
GF4.1 / 2.2	1.5	3000	220	3400	11.5	71	67	65	0.70	0.67	0.65	60	120-150
GF4.1 / 4.0	2.2	3000	220	3400	14.4	75	70	67	0.80	0.76	0.73	80	120-150

Three Phase Motors Performance Data

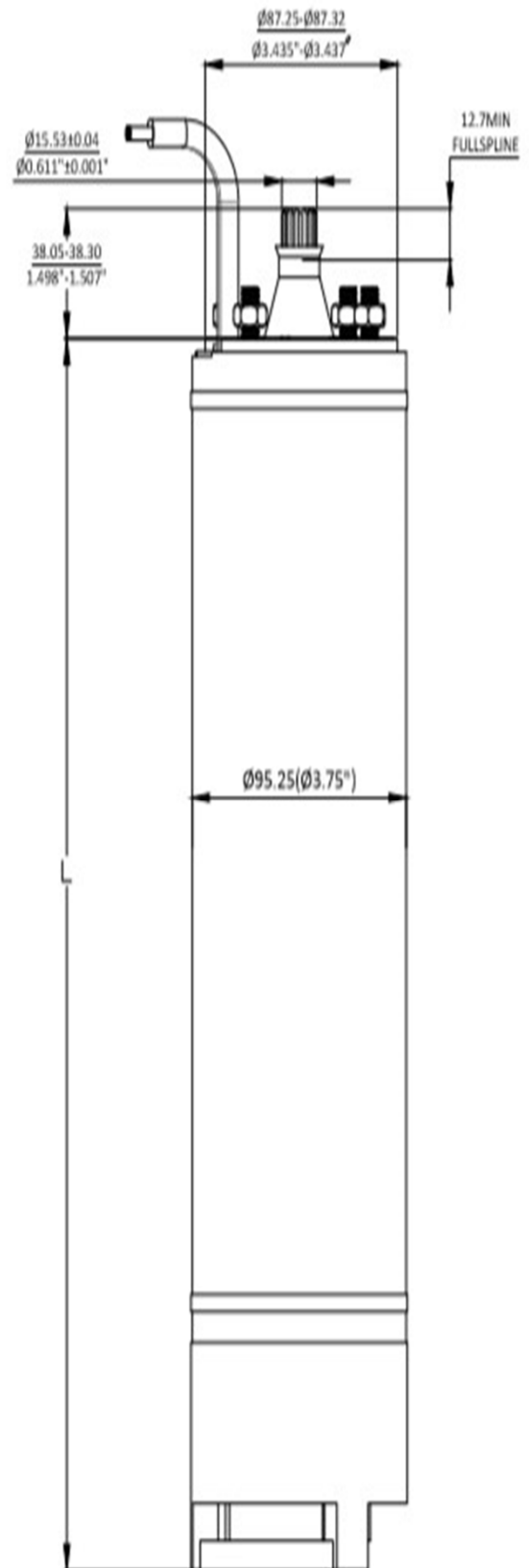
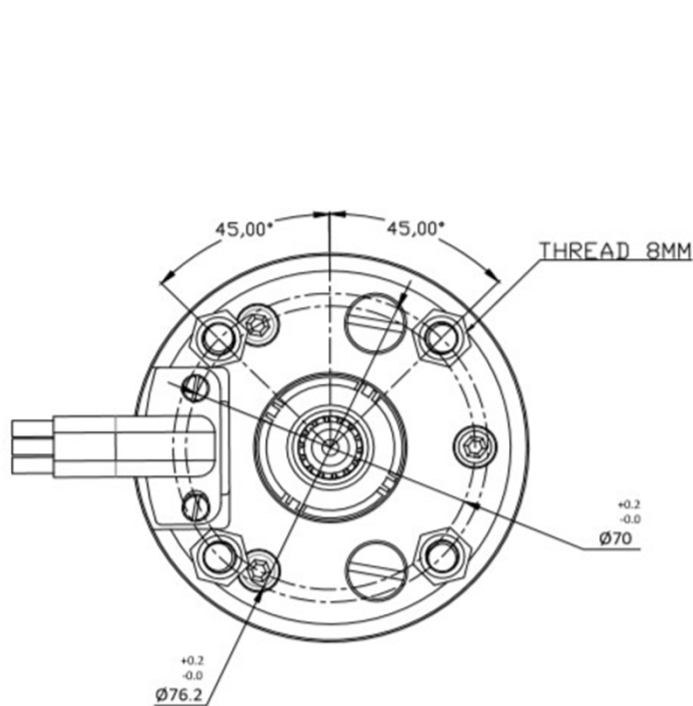
MOTOR						Motor Efficiency (%)			Power Factor (%)		
Model No.	KW	Thrust F[N]	UN [V]	Nn [min- 1]	I _N	100%	75%	50%	100%	75%	50%
					(A)						
GF4.3 / 0.55	0.55	1500	220	3420	3.6	64	57	49	0.54	0.43	0.35
			380	3420	1.9	62	55	48	0.48	0.38	0.31
			460	3420	2.1	64	54	49	0.51	0.41	0.33
GF4.3 / 0.75	0.75	1500	220	3420	4.0	73	70	64	0.61	0.53	0.42
			380	3420	2.5	71	68	62	0.49	0.42	0.33
			460	3420	2.2	70	70	64	0.61	0.53	0.42
GF4.3 / 1.1	1.1	1500	220	3420	5.5	73	69	62	0.61	0.50	0.40
			380	3420	3.4	72	68	61	0.70	0.43	0.34
			460	3420	3.2	72	69	63	0.59	0.48	0.38
GF4.3 / 1.5	1.5	3000	220	3420	8.0	70	67	56	0.58	0.49	0.39
			380	3420	4.2	76	73	63	0.57	0.49	0.38
			460	3420	3.8	73	73	68	0.68	0.58	0.46
GF4.3 / 2.2	2.2	4000	220	3420	3.4	77	73	69	0.54	0.55	0.37
			380	3420	5.6	77	73	67	0.49	0.49	0.33
			460	3420	5.6	75	71	71	0.66	0.67	0.45
GF4.3 / 4.0	4.0	4000	220	3420	16.3	76	77	73	0.76	0.67	0.62
			380	3420	9.1	76	77	73	0.70	0.62	0.50
			460	3420	9.5	78	77	73	0.67	0.59	0.48
GF4.3 / 5.5	5.5	4000	220	3420	19.4	77	76	70	0.73	0.64	0.50
			380	3420	11.3	77	76	70	0.66	0.60	0.50
			460	3420	11.0	75	76	70	0.68	0.63	0.50
GF4.3 / 7.5	7.5	4000	220	3420	22.0	78	75	71	0.75	0.66	0.53
			380	3420	11.3	78	75	71	0.67	0.59	0.48
			460	3420	13.0	76	75	71	0.70	0.62	0.50



GREEN FORCE®

Stainless Steel Submersible Pump Set

4" REWINDABLE OUT LINE DRAWING



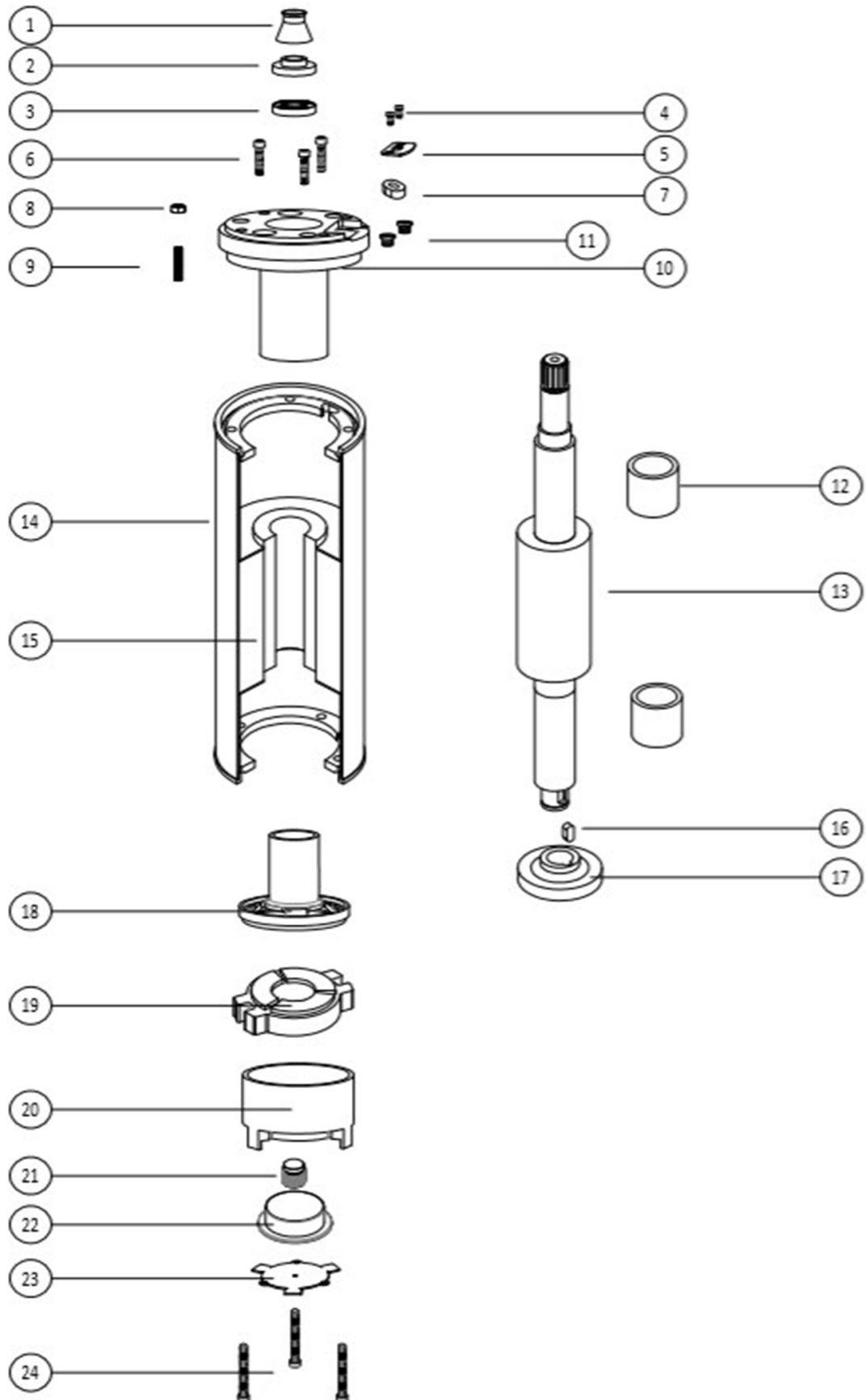
MOTOR LENGTH & WEIGHT

HP	KW	L (mm)	Motor Weight KG	
			Net Wt.	Gross Wt.
0.5	0.37	405	14.200	15.100
0.75	0.55	430	15.400	16.400
1	0.75	455	16.700	17.900
1.5	1.1	505	19.200	20.600
2	1.5	555	21.800	23.400
3	2.2	605	24.200	26.000
5.5	4	655	26.600	28.600
7.5	5.5	705	29.100	31.300
10	7.5	755	31.800	34.400

4" MOTOR PARTS LIST

S. No.	Part Name	Material
1	Slinger (Send Guard)	NBR
2	Seal Cover	AISI 304
3	Oil Seal	NBR
4	Hexagon Socket Cap Screw	AISI 304
5	Seal Cover	AISI 304
6	Hexagon Socket Cap Screw	AISI 304
7	Gromet	NBR
8	8 mm Nut	AISI 304
9	8 mm Stud	AISI 304
10	Upper Bearing Body	AISI 304
11	Water Plug	Brass
12	Radial Bearing	LTB-4
13	Rotor	Cooper/CRNO/420/AISI304
14	Stator	AISI 304
15	Stator Lamination	CRNO Grade
16	Axial Thrust Bearing Key	AISI 420
17	Axial Thrust Bearing	Silicon Carbide
18	Lower Bearing Body	AISI 304
19	Thrust Bearing Support	FG - 20 -25
20	Thrust Bearing Housing With Base	AISI 304
21	Rocker	AISI 420
22	Membrane Cap	NBR-EPDM
23	Membrane Cap Cover	AISI 304
24	Hexagon Socket Cap Screw 6 mm	AISI 304

4" MOTOR EXPLODED VIEW





An ISO 9001:2015 Certified Company



UNIVERSAL MOTORS

Stainless Steel Submersible Pumps

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GENERAL INFORMATION

Overview :

Green Force Submersible Motors are made entirely of corrosion - resistant stainless steel, Motors are ideal for a wide variety of applications and renowned for their high efficiency and reliability throughout the range. These motors are built for dependable operation in 6-inch diameter or larger water wells.

The Green Force range offers hydraulics designs to provide high efficiency and low operating costs and easy maintenance.

Features :

1. 150 mm Diameter Rewindable Motors are built for dependable operation.
2. Silicon Carbide Thrust Bearing for a maintenance free operations.
3. It is filled with water lubricated with a special fluid for protection.
4. Special Diaphragm ensures pressure compensation inside the Motor.

Product Advantage :

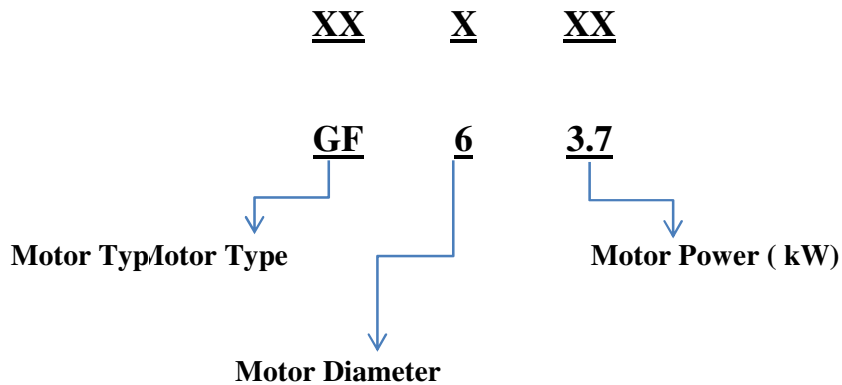
1. Cable material according to drinking water regulations.
2. Sand slinger and SiC mechanical seal for high performance in sand.
3. High efficiency electrical design.
4. All motors are pre filled and 100% tested.
5. Max. storage temperature -15°C to +60°C
6. Approved tilting type thrust bearing (4 kW to 37 kW)
7. Silicon Carbide Thrust Bearing for a maintenance free operations.

Technical Specification :

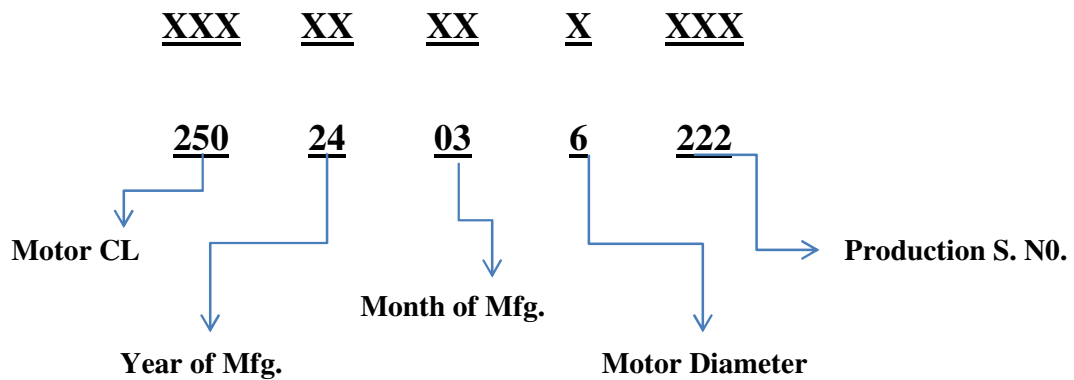
Flange :	As per NEMA Standard
Power Range :	4 kW to 37 kW
Protection :	IP 68
Cable Length :	3 Mtr
Voltage Tolerance :	+6 % -10 %
Ambient Temperature :	30°C With Poly wrapped Copper Wire 50°C With PE2 + PA Winding Wire
Frequency :	50Hz / 60 Hz
Thrust Rating :	15500 - 27500 N

6" REWINDABLE MOTORS - MODEL NO. & IDENTIFICATION CODE

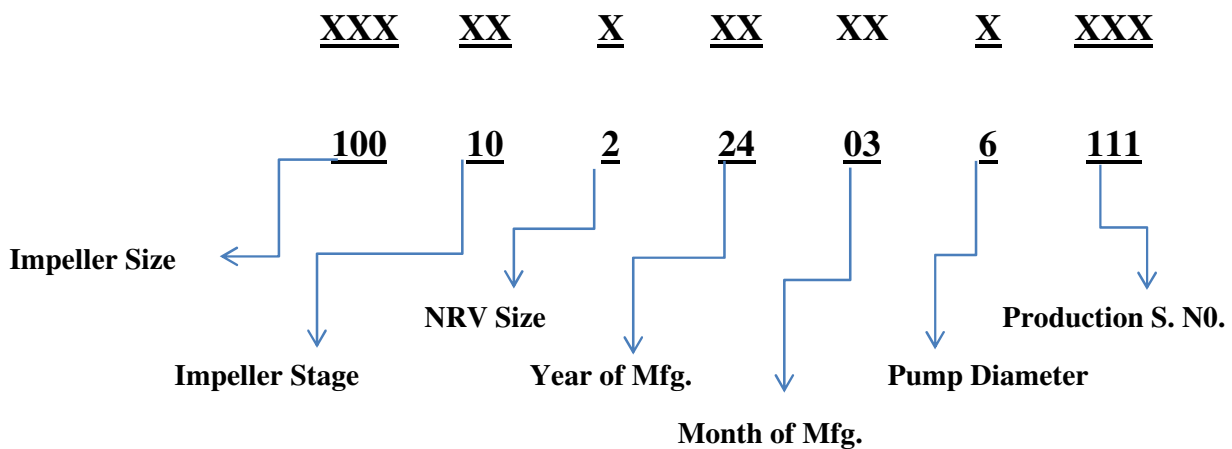
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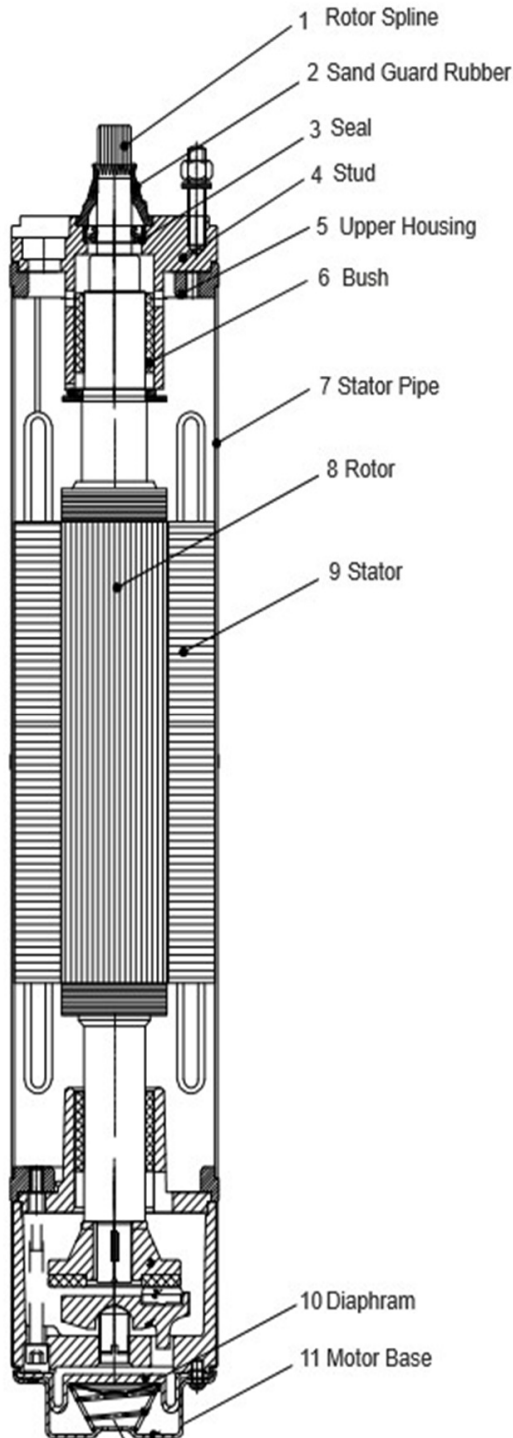
Motor Serial Numbers Identification Code



Pump Serial Numbers Identification Code



6" REWINDABLE MOC



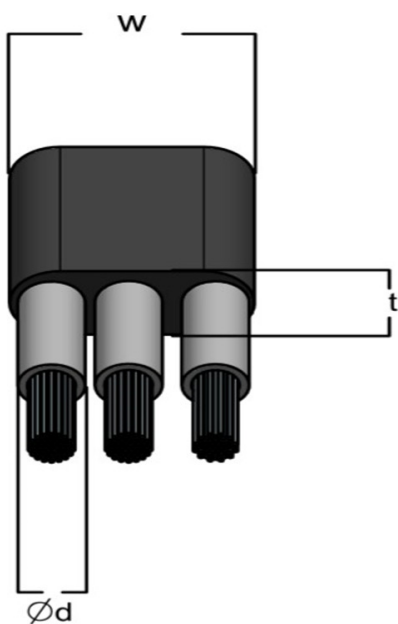
MOTOR	
Component	Material
Investment Castings	AISI 304 SS
Stator Shell	AISI 304 SS
Bushing	LTB-4 as per IS 318
Rotor Shaft	AISI 304 SS & AISI 420 SS
Stator Ends	AISI 304 SS
Seal Cover	AISI 304 SS
Fasteners	AISI 304 SS
Diaphragm	NBR
Seal	NBR
Motor Lead	PVC Insulated Cable as per IS:694
Diaphragm Plate	AISI 304 SS
Insulation	Class F
Stamping	CRNO 600 Grade
Winding Wire	Poly Wrapped / PE2 + PA Wire
TB Set	Silicon Carbide & AISI 420 SS

6" REWINDABLE MOTORS - MODEL NUMBERS

Model No.	HP	KW	Volt / 50 Hz	Volt / 60 Hz
GF 6 / 5.5	5.5	4	380 / 400 / 415 Volt	460 Volt
GF 6 / 7.5	7.5	5.5	380 / 400 / 415 Volt	460 Volt
GF 6 / 10	10	7.5	380 / 400 / 415 Volt	460 Volt
GF 6 / 12.5	12.5	9.3	380 / 400 / 415 Volt	460 Volt
GF 6 / 15	15	11	380 / 400 / 415 Volt	460 Volt
GF 6 / 17.5	17.5	13	380 / 400 / 415 Volt	460 Volt
GF 6 / 20	20	15	380 / 400 / 415 Volt	460 Volt
GF 6 / 25	25	18.5	380 / 400 / 415 Volt	460 Volt
GF 6 / 30	30	22	380 / 400 / 415 Volt	460 Volt
GF 6 / 35	35	26	380 / 400 / 415 Volt	460 Volt
GF 6 / 40	40	30	380 / 400 / 415 Volt	460 Volt
GF 6 / 50	50	37	380 / 400 / 415 Volt	460 Volt

6" REWINDABLE MOTORS - POWER CABLE INFORMATION

Model Type	Size	KW	HP	D.O.L.	Star / Delta	Ax. Thrust	Start	Length
GF 6 / 5.5	6"	4	5.5	3 X 2.5	3 X 2.5 + 3 X 2.5	20	20	3
GF 6 / 7.5	6"	5.5	7.5	3 X 2.5	3 X 2.5 + 3 X 2.5	20	20	3
GF 6 / 10	6"	7.5	10	3 X 4	3 X 4 + 3 X 4	20	20	3
GF 6 / 12.5	6"	9.3	12.5	3 X 4	3 X 4 + 3 X 4	20	20	3
GF 6 / 15	6"	11	15	3 X 4	3 X 4 + 3 X 4	20	20	3
GF 6 / 17.5	6"	13	17.5	3 X 4	3 X 4 + 3 X 4	20	20	3
GF 6 / 20	6"	15	20	3 X 4	3 X 4 + 3 X 4	20	20	3
GF 6 / 25	6"	18.5	25	3 X 4	3 X 4 + 3 X 4	20	20	3
GF 6 / 30	6"	22	30	3 X 6	3 X 6 + 3 X 6	26.5	15	3
GF 6 / 35	6"	26	35	3 X 6	3 X 6 + 3 X 6	26.5	15	3
GF 6 / 40	6"	30	40	3 X 6	3 X 6 + 3 X 6	26.5	15	3
GF 6 / 50	6"	37	50	3 X 10	3 X 10 + 3 X 10	26.5	15	3



Flat Cable Dimensions			
Type	Thickness	Width	Diameter
mm ²	(t) mm	(w) mm	(d) mm
3 X 2.5	6.4	15	3.6
3 X 4	7.1	16.5	4.2
3 X 6	8	19	4.8
3 X 10	8.8	22	6.2
3 X 16	10.5	26	7.1
3 X 25	12	34	9.2
3 X 35	13.5	35	10.3

* All Dimensions are Approx.

6" REWINDABLE MOTORS - PERFORMANCE 50 Hz

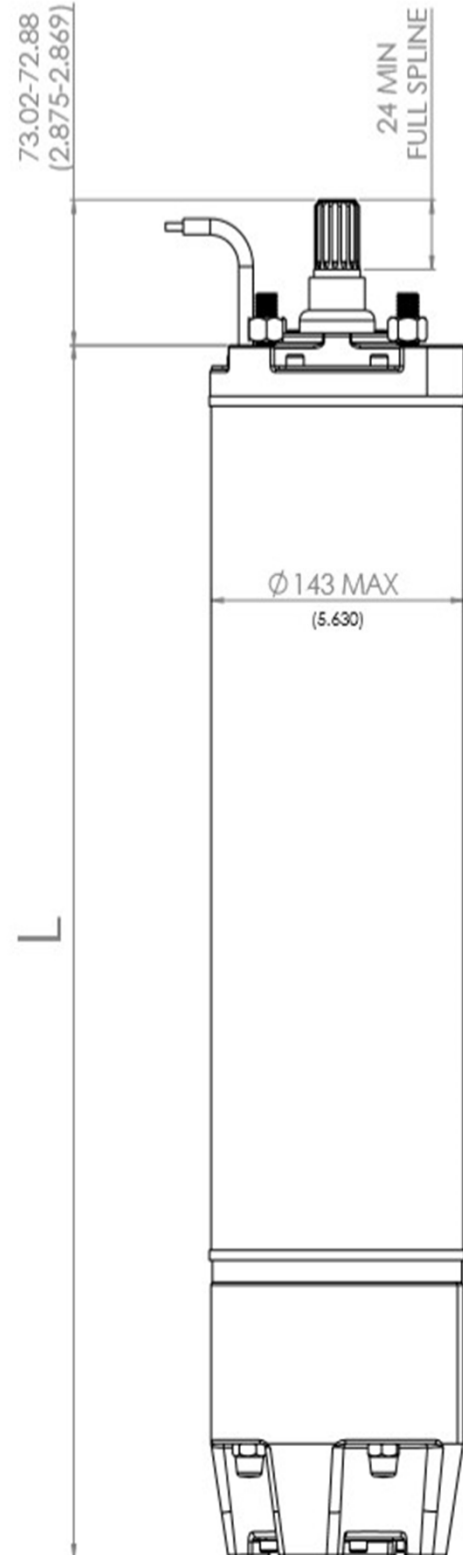
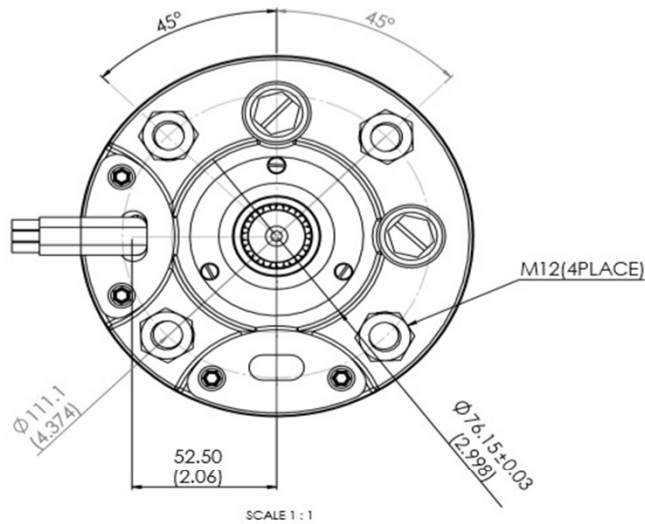
MOTOR							Motor Efficiency (%)			Power Factor (%)				
Model No.	KW	Thrust F[N]	UN [V]	Nn [min- 1]	I _N (A)	I _A (A)	50%	75%	100%	50%	75%	100%	T _N (Nm)	T _A (Nm)
GF6 / 5.5	4	15500	380	2834	10.2	39	71	75	76	59	71	78	13.1	16.8
			400	2844	9.8	37	68	73	76	53	65	73	13.1	17.7
			415	2854	9.5	36	65	72	76	50	61	69	13.0	18.4
GF6 / 7.5	5.5	15500	380	2868	13.3	52	74	76	75	67	78	83	18.3	22.9
			400	2870	12.8	50	72	76	76	62	74	81	18.2	24.1
			415	2878	12.3	48	71	75	75	59	71	78	18.1	25.0
GF6 / 10	7.5	15500	380	2854	17.2	66	77	78	76	70	80	74	25.0	31.0
			400	2860	16.5	63	75	78	77	65	76	82	24.8	32.6
			415	2866	16.1	62	73	77	77	61	73	80	24.7	33.8
GF6 / 12.5	9.3	15500	380	2860	20.8	80	79	80	78	71	80	84	31.1	42.0
			400	2870	20.2	78	78	79	78	64	76	82	30.0	44.2
			415	2880	19.5	75	76	79	78	60	72	80	30.9	45.9
GF6 / 15	11	15500	380	2855	23.7	91	78	80	78	71	80	85	36.7	53.0
			400	2865	22.8	88	77	80	79	65	76	83	36.4	55.8
			415	2875	22.2	85	75	78	79	61	73	80	36.3	57.8
GF6 / 17.5	13	15500	380	2886	28.7	110	80	81	80	68	79	84	43.1	61.0
			400	2896	27.6	106	78	80	80	61	74	81	42.8	64.2
			415	2906	26.6	102	76	79	80	57	70	78	42.7	66.6
GF6 / 20	15	15500	380	2880	33.1	127	81	82	81	71	81	85	49.7	72.0
			400	2890	32.2	124	79	81	81	65	77	83	49.4	75.8
			415	2900	31	120	77	80	81	60	73	81	49.3	78.6
GF6 / 25	18.5	15500	380	2860	41.8	161	81	82	81	68	78	84	61.7	91.0
			400	2870	40.2	155	78	81	81	61	74	80	61.2	95.8
			415	2880	38.8	149	76	79	80	57	70	77	61.1	104.6
GF6 / 30	22	27500	380	2870	48.5	187	82	84	83	68	78	84	72.6	111.0
			400	2880	46.7	180	80	82	82	61	73	80	72.5	116.8
			415	2890	45	173	77	81	82	58	69	77	72.2	121.2
GF6 / 35	26	27500	380	2876	56.2	217	83	84	83	68	79	86	86.0	121.0
			400	2886	54.8	212	81	83	83	61	74	83	85.6	127.4
			415	2896	52.6	204	78	82	82	56	69	80	85.3	132.1
GF6 / 40	30	27500	380	2890	64.5	249	82	84	83	67	78	84	98.8	145.0
			400	2895	62.3	240	80	83	83	60	73	80	98.4	152.6
			415	2900	59.8	231	77	81	82	55	69	77	98.2	158.3
GF6 / 50	37	27500	380	2885	78.3	315	83	84	83	67	78	85	122.1	172.2
			400	2890	76.4	304	80	83	83	60	72	80	121.6	181.3
			415	2895	74.2	289	77	81	82	55	68	76	121.3	188.0

6" REWINDABLE MOTORS - PERFORMANCE 60 Hz

MOTOR								Motor Efficiency (%)			Power Factor (%)				
Model No.	P _N	P _{max}	Thrust F[N]	UN [V]	Nn [min- 1]	I _N (A)	I _A (A)	50%	75%	100%	50%	75%	100%	T _N (Nm)	T _A (Nm)
	KW	KW													
GF6 / 5.5	4	4.6	15500	220	3500	10.2	39	70	75	77	52	64	73	12.5	18.6
				380	3430	9.8	37	66	72	77	51	63	71	12.4	15.0
				460	3520	9.5	36	70	76	78	56	67	75	12.5	15.3
GF6 / 7.5	5.5	6.3	15500	220	3470	13.3	52	74	78	78	61	73	80	17.3	15.9
				380	3480	12.8	50	76	78	78	64	75	81	17.3	15.0
				460	3470	12.3	48	74	77	77	65	76	82	17.3	15.1
GF6 / 10	7.5	8.6	15500	220	3470	17.2	66	75	79	79	58	71	78	23.6	22.4
				380	3480	16.5	63	76	79	79	64	75	81	23.6	20.2
				460	3470	16.1	62	75	78	78	67	77	82	23.7	19.4
GF6 / 12.5	9.3	10.7	15500	220	3470	20.8	80	75	78	79	59	71	78	29.3	28.9
				380	3470	20.2	78	77	80	80	64	75	81	29.4	25.9
				460	3460	19.5	75	78	80	80	67	78	82	29.4	24.4
GF6 / 15	11	12.7	15500	220	3470	23.7	91	77	80	81	60	72	79	34.6	35.6
				380	3490	22.8	88	77	81	81	62	74	80	34.5	34.3
				460	3480	22.2	85	78	81	80	68	77	83	34.7	31.5
GF6 / 17.5	13	15	15500	220	3480	28.7	110	76	80	81	55	68	76	40.7	50.5
				380	3500	27.6	106	77	81	82	59	71	78	40.7	47.2
				460	3490	26.6	102	78	81	81	65	76	82	40.9	43.3
GF6 / 20	15	17.3	15500	220	3480	33.1	127	80	83	83	63	74	81	47.0	59.5
				380	3490	32.2	124	81	83	83	66	77	82	47.2	59.5
				460	3490	31	120	80	83	83	68	78	84	47.1	55.6
GF6 / 25	18.5	21.3	15500	220	3470	41.8	161	77	81	82	59	71	78	58.1	81.8
				380	3490	40.2	155	76	80	81	58	70	77	58.1	83.6
				460	3480	38.8	149	80	82	82	65	76	81	58.4	74.5
GF6 / 30	22	25.3	27500	220	3490	48.5	187	82	84	84	65	74	77	68.8	96.6
				380	3510	46.7	180	82	84	84	67	75	78	68.8	88.9
				460	3500	45	173	83	84	84	72	79	82	69.1	85.8
GF6 / 35	26	29.9	27500	220	3490	56.2	217	83	85	85	63	72	76	81.3	135.0
				380	3500	54.8	212	83	85	85	62	74	81	81.6	121.4
				460	3500	52.6	204	83	85	85	64	76	84	81.6	117.2
GF6 / 40	30	34.5	27500	220	3490	64.5	249	78	82	83	58	71	78	93.8	139.6
				380	3510	62.3	240	79	83	84	62	74	81	93.9	132.9
				460	3500	59.8	231	81	84	84	64	75	82	94.0	126.4
GF6 / 50	37	42.6	27500	220	3490	78.3	315	77	81	82	59	71	78	115.8	193.6
				380	3510	76.4	304	77	81	82	59	71	78	115.8	193.6
				460	3510	74.2	289	82	84	85	63	75	81	116.0	177.8



6" REWINDABLE OUT LINE DRAWING



MOTOR LENGTH & WEIGHT

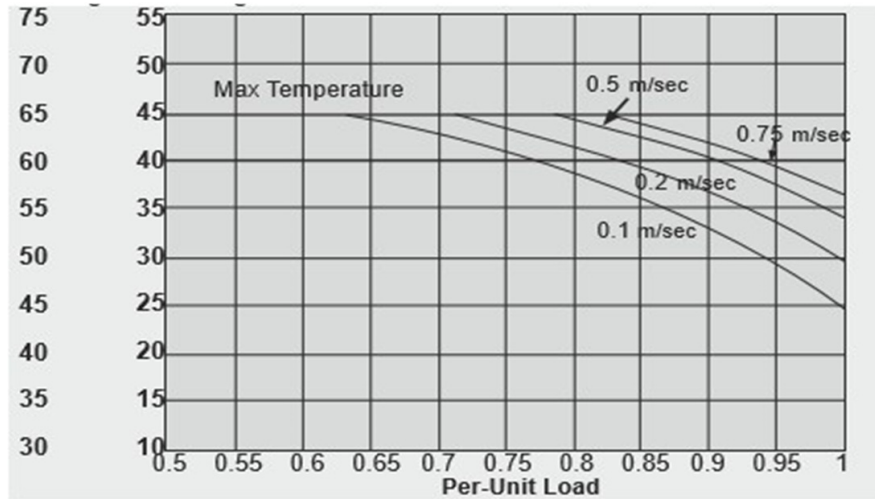
HP	KW	L (mm)	Motor Weight KG	
			Net Wt.	Gross Wt.
5.5	4	613	42.800	45.600
7.5	5.5	638	45.300	48.200
10	7.5	663	48.300	51.300
12.5	9.3	713	53.800	56.900
15	11	763	59.100	62.400
17.5	13	788	61.500	64.900
20	15	838	66.600	70.200
25	18.5	888	71.800	75.600
30	22	963	79.700	83.800
35	26	1038	88.300	92.700
40	30	1138	99.900	104.700
50	37	1213	108.500	113.600

6" REWINDABLE MOTOR DE-RATING CURVE

De- Rating of 6" Rewindable Motors 4 to 15 Kw

Maximum Ambient Temp °C

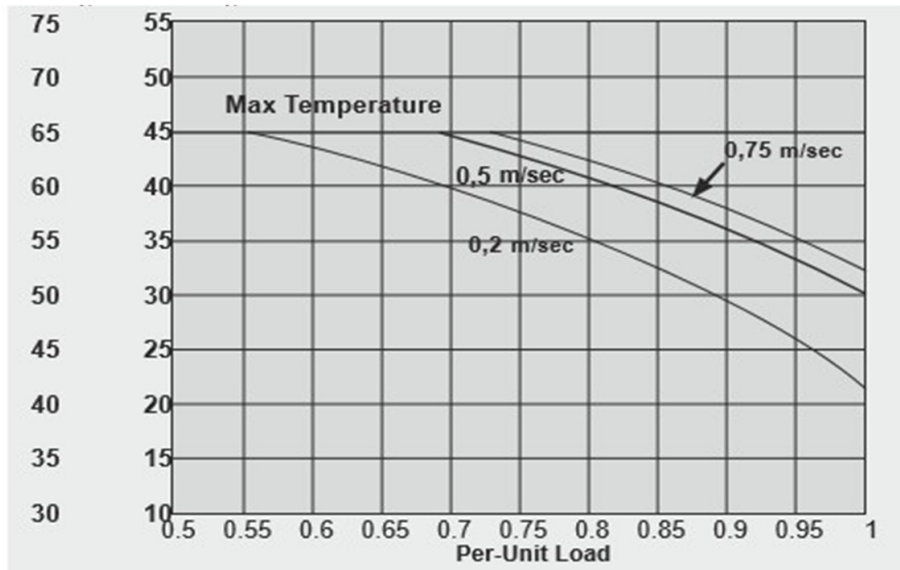
PE2/PA Windings PVC Windings



De- Rating of 6" Rewindable Motors 18.5 to 30 Kw

Maximum Ambient Temp °C

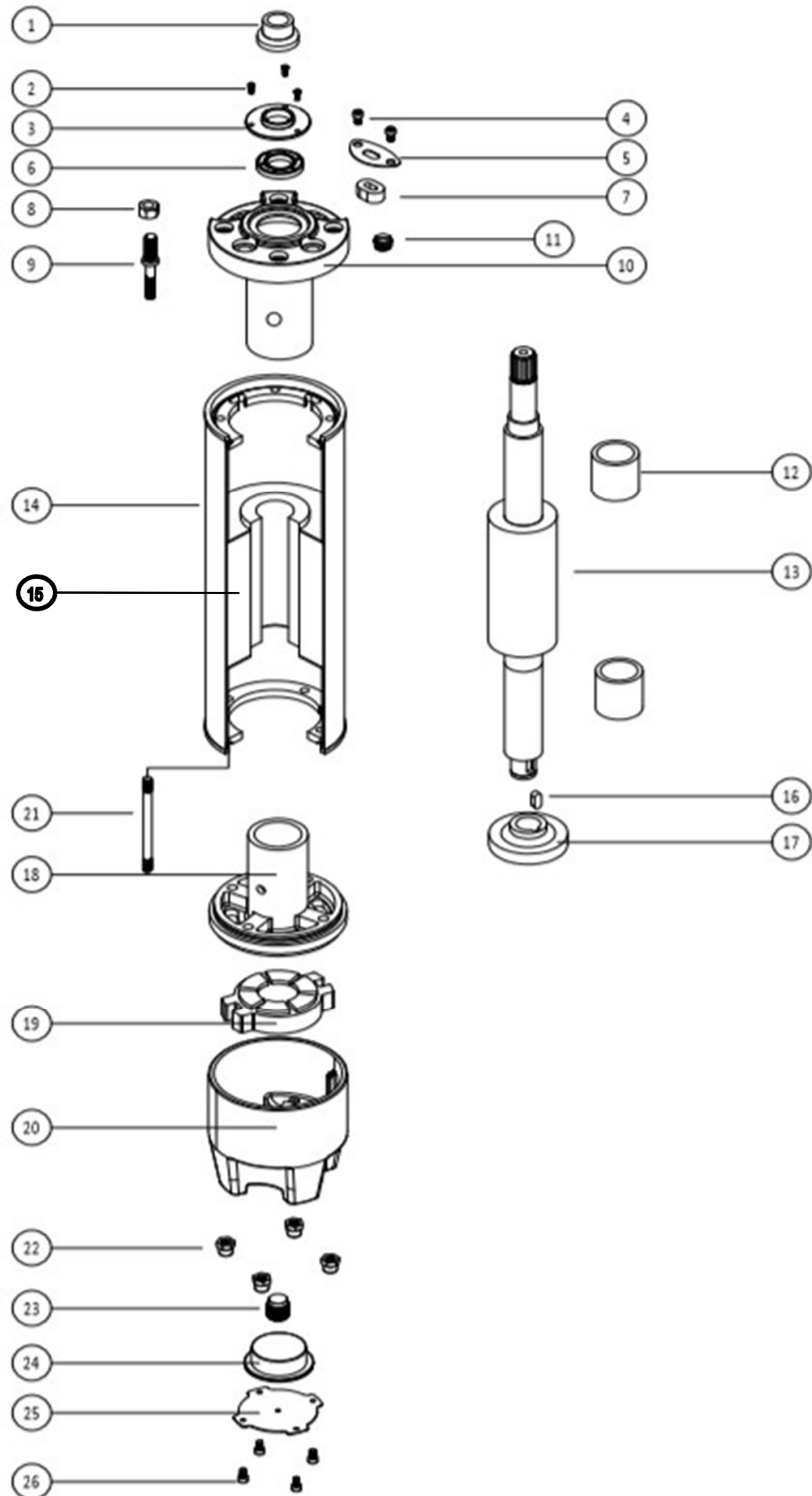
PE2/PA Windings PVC Windings



PARTS LIST

S. No.	Part Name	Material
1	Slinger (Send Guard)	NBR
2	Hexagon Socket Cap Screw	AISI 304
3	Seal Cover	AISI 304
4	Hexagon Socket Cap Screw	AISI 304
5	Seal Cover	AISI 304
6	Oil Seal	NBR
7	Gromet	NBR
8	12 mm Nut	AISI 304
9	12 mm Stud	AISI 304
10	Upper Bearing Body	CI / AISI 304
11	Water Plug	Brass
12	Radial Bearing	Carbon / LTB-4
13	Rotor	Cooper/CRNO/420/AISI304
14	Stator	AISI 304
15	Stator Lamination	CRNO Grade
16	Axial Thrust Bearing Key	AISI 420
17	Axial Thrust Bearing	Silicon Carbide
18	Lower Bearing Body	CI / AISI 304
19	Thrust Bearing Support	FG - 20 -25
20	Thrust Bearing Housing With Base	AISI 304
21	Tie Rod 10 mm	AISI 304
22	Dom Nut 10 mm	AISI 304
23	Rocker	AISI 420
24	Membrane Cap	NBR-EPDM
25	Membrane Cap Cover	AISI 304
26	Hexagon Socket Cap Screw 6 mm	AISI 304

EXPLODED VIEW





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UNIVERSAL MOTORS

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